



NASA/Tennessee State University Program College Bound–V

July 6-19, 2003

Program Description

College Bound (CB) is an intensive 2-week summer academic workshop designed to introduce underrepresented minority freshman, sophomore, and junior students to the engineering profession. This program is sponsored by NASA Glenn Research Center at Lewis Field in Cleveland, Ohio. The CB program will be held in the College of Engineering and Technology on the campus of Tennessee State University (TSU) in Nashville, Tennessee.

Program Goal

The goals of the CB program are to expose youth to careers in science and engineering and encourage students to pursue such careers; enhance study skills in mathematics, science, and english and improve study skills; provide contact with engineers and engineering students who serve as positive role models and mentors; and build and enhance positive self-esteem. Please be advised that while the program is open to all equally qualified candidates, NASA Glenn is very interested in recruiting applicants who belong to a recognized underrepresented group in science and engineering.

CB participants will take regularly scheduled classes in mathematics, science, communications, computer science, and African American literature. They will meet with engineering faculty and students and have hands-on experience in the college's engineering and technology laboratories. Students will attend field trips and an oratorical contest will be held the last Friday of each workshop. An awards luncheon will be held on the last Saturday (July 19) of the workshop. Immediate family members are invited to attend the awards ceremony.

Program Cost

The cost for the CB Program is provided by funds from the NASA Glenn Research Center. This cost includes bus transportation to and from Tennessee State University. Room and meals are also included. The students will stay in the university dormitories. Classes that the students will be taking as well as field trips are also included in the cost of the program.

A room key deposit will be required. This information will be given to the students who are chosen to attend the program and will be included in their confirmation letter. A check will be required to be written the evening of the orientation (NO cash or money orders will be accepted), and upon return of the key and proper inspection of the room (no damage incurred), the check will be voided and destroyed. Please note that there will be a fee each time you are locked out of your room and/or you lose your key.

Once selections have been made, an orientation will be scheduled and all pertinent information including a detailed list of what the students should bring with them to TSU will be provided.

Program Eligibility

To be eligible for the CB program, students must be planning to attend college to pursue the area(s) of science and/or engineering. Qualified underrepresented minorities are encouraged to apply. Applicants must also meet the following criteria:

- Must be a U.S. Citizen
- Must be at least 15 years of age
- Must have a cumulative GPA of 2.0 on a 4.0 scale
- Must be available the entire duration of the program

Program Selection Process

- Completed applications are reviewed and evaluated by a selection panel.
- Students will be notified in writing by May 30, 2003, as to their selection status.
- The first 40 finalists whose qualifications and backgrounds best match the overall goals and objectives of the program will be offered participation.

Applications

Students seeking to participate in this program must submit an application to the address listed below.

NASA Glenn Research Center Attn: NASA/TSU CB Program 21000 Brookpark Road MS 7–4 Cleveland, OH 44135

Applications must be received no later than April 11, 2003 to assure consideration.

Applications received after April 11, 2003 will not be considered or processed.

NASA/TSU College Bound Program Student Application Form

Please **type** or **print** in black ink only.

Name:	Social security number:
Male Female	U.S. Citizen Yes No
Date of birth: Mailing address:	Place of birth: City, State, Country Permanent address:
City State Zip Code Telephone: () Alternate telephone: () E-mail address: Current school name:	Alternate telephone: () Parent or legal guardian's name: Place of employment: Work telephone:
Current school name: City, state, zip code: Current grade: Cumulative GPA out of 4.0	
Have you previously participated in a NASA or Federal program Check any of the following NASA programs you have applied for (A) (P) NASA SHARP NASA PLUS NASA Glenn Explorers NASA Glenn Shadowing Program NASA Glenn/East Tech Partnership Program	
□ NASA website□ Office of Educational Programs	staff member al NASA contractor ationship Area/Organization
	FFICE USE ONLY 14 15 16 17 18 19 PR Requirement: \$

Date Processed:

NASA/TSU College Bound Program

Accomplishment Sheet

(This form **must** be typed.)

Name:	Social Security number:
High school:	_
City:	<u> </u>
Cumulative GPA:	
Awards:	
Noteworthy activities and offices held:	
Noteworthy accomplishments:	

Essay

Student's name	Date

Student must prepare a 300-word essay **TYPED** addressing the following:

- * Reason(s) for wanting to participate in the program
- * Career interests/aspirations specifically addressing your area of interest (i.e., math, science, engineering and technology)
- Please address what you expect to attain from attending this program

Student's Name	Date

Academic Coursework

List each of the Mathematics/Science/Technology courses you have taken for high school or college credit and complete the information requested. Please use letter grades only. **Numerical grades must be converted to letter grades**.

Mathematics Courses	Grade Received	Credit Earned	Indicate if Honors or Advanced	Indicate If College Level or Concurrent	Grade Level When Taken
			Placement	Enrollment	(8,9,10,11,12
				1	
Science Courses	Grade Received	Credit Earned	Indicate if Honors or Advanced Placement	Indicate If College Level or Concurrent Enrollment	Grade Level When Taken (8,9,10,11,12

Computer/Technology Courses	Grade Received	Credit Earned	Indicate if Honors or Advanced Placement	Indicate If College Level/Concurrent Enrollment	Grade Level When Taken (8,9,10,11,12)

Preliminary College Information

Please complete th	ne following information regarding your col	lege intentions:	
Anticipated colleg	e: 1		
Anticipated colleg	e major:		
	☐ Chemistry/Biology	☐ Engineering	
	☐ Medicine/Premed	Type of Engineering	☐ Computer
	☐ Computer Science	☐ Architectural	☐ Electrical
	☐ Mathematics/Physics	☐ Biomedical	☐ Environmental
	☐ Industrial Technology	☐ Civil	☐ Mechanical



NASA/TSU College Bound Program To Be Completed by Counselor

Student's nar	me:						
Student's tes	t scores:						
	PACT	Write	Math _	Read	Science	Comp	
	PSAT	V	_ M _				
	SAT	V	_ M _	 			
	ACT	Engl	_ Math _	Read	Science	Comp	
Student's ran	ık in his/heı	PA:	ates are acce	ptable) □ Bottom 25% □ N	Vot known/does n	ot rank	
The curriculu	ım pursued	by the student	can best be c	described as (check all the	at apply)		
☐ Honors	☐ Re	egular 📮	Gifted	☐ College Prep ☐ V	ocational		
Counselor sig	gnature:			Date:	I	Phone:	
May we cont	act you for	additional info	rmation?	Ves No.			



0, 1, 1,		t before submitting to teacher for recommendation
Student's nam	ie –	
Last	First	M.I.
Name of high	school	
	TEACHER	RECOMMENDATION—PART I
Teacher's name		
Toucher 5 mm		
G 1 1/ :		
School/organi	zation	
How long hav	e you known the student and in what capacity?	
How would y	ou rate the student in the following areas	? (Check one per category)
·	J	
	1. Ability to follow rules and directions	2. Acceptance of responsibility
	□ Excellent	Excellent
	□ Very good	□ Very good
	☐ Average ☐ Poor	☐ Average ☐ Poor
	u rooi	1 F001
	3. Ability to work well with others	4. Maturity
	5. Monty to work wen with others	7. Maturity
	☐ Excellent	☐ Excellent
	☐ Very good	□ Very good
	☐ Average	☐ Average
	☐ Poor	Poor
Identify skill	s that could most benefit this student thro	ugh his/her participation with the Program: (Check all that apply)
	D. Onel community of the	D. Time managed
	□ Oral communication	☐ Time management
	☐ Leadership skills	☐ Interpersonal skills
	☐ Written communication	☐ Research technique
	☐ Career awareness	□ Computer/technology



MATH, SCIENCE, OR TECHNOLOGY TEACHER RECOMMENDATION—PART II

PLEASE NOTE:

COMPLETION OF THIS PORTION OF THE APPLICATION IS CRITICAL. PLEASE TAKE TIME TO COMPLETE THOROUGHLY, AS THE STUDENT IS RATED ON THIS PORTION OF THE APPLICATION TO DETERMINE ACCEPTANCE INTO THE PROGRAM.

Tell us in narrative form why you recommend this student for the College Bound program. Address what you know about the student's academic performance, participation in school activities as well as his/her character, reliability, conduct and general qualifications for participation in College Bound. Attach additional sheets of paper if necessary.

PLACE THE COMPLETED RECOMMENDATION IN A SEALED ENVELOPE BEFORE RETURNING TO STUDENT

Signature		Date
May we contact you for additional information? Yes	No	_ Telephone No
		Email Address

THIS FORM SHOULD BE RETURNED AS A PART OF THE STUDENT APPLICATION PACKAGE.

Applications must be received by NASA no later than April 11, 2003. Please make three copies of the completed form. Insert form copies with the original in the enclosed envelope and sign your name across the seal.

Parent/Guardian Permission Form



I understand that			is applying for a position in the
	Student's name (please print)		
NASA/TSU College Bound Program.			
This program is conducted for a two-wee in Nashville, Tennessee.	k period beginning July 6, 2003 a	and ending July 19, 2003 at th	e Tennessee State University campus
As a part of the application process, I cer	•	and official (calcated by my s	on/daughter) to complete the Teacher
• I grant permission for a teacher, § Recommendation Form;	guidance counselor, or other sch	ool official (selected by fify so	on/daughter) to complete the Teacher
 Permission is fully granted for so 	chool officials to report achieven	nent and aptitude tests scores	NASA/TSU College Bound Program; to be used as selection factors; and red will be maintained in confidence.
If selected for the above-mentioned prog			
• I give permission for my son/dau	ighter to participate in NASA/TS	SU College Bound and all Pro	ogram related activities;
I ensure that my child will have to arrival back to the Glenn Research	_	ASA Field Installation on the o	day of departure to TSU and upon the
• I guarantee my child's participa I understand that he/she will term		=	e/she cannot fulfill this commitment,
 I authorize TSU and OEP (Office tenure for promotion activities (i 		• • • • •	daughter taken during their two-week
	er educational programs, college	financial aid information, and	he/she can be provided with current d to enable NASA and its contractors

Date

Parent's/guardian's signature of consent

TENNESSEE STATE UNIVERSITY COLLEGE OF ENGINEERING AND TECHNOLOGY

Liability Waiver Form

The undersigned, as parent or legal guardian of	, gives consent for the
above named student to participate in all College Bound (CB) activities, including all field trip	s.
In the event that medical treatment is required, the undersigned parent or guardian consents to for medical treatment, which may be deemed advisable by a qualified physician selected by any State University.	
I hereby release and hold harmless Tennessee State University and its employees and agent. College Bound (CB) Workshop.	s from action arising from the
Signature of Parent/Legal guardian	 Date

NASA/TSU College Bound Program

Student Health Form

(Please type or print in black ink only.)

Name:	First		Middle		Social S	ecurity 1	number:	
Home address:	Street			Apt. number	_			
	City		State	Zip	_			
Parent or legal g	guardian:				_ Telepho:	ne: ()	
					Compa		ne and t be le	policy number gible.
1. Do you have	hospitalization?	Yes	No	(Company:			
				F	olicy number:_			
2. Have you eve	Measles Chicken pox Whooping cough Polio Mumps		No	T F N N				Date:
	Hepatitis				Diphtheria			
3. Have you had	d surgery?	List surg	gery and date:					
=	en treated for any se give details:						, sickle o	cell anemia)?
5. Are you preso	ently on any medica	tion?	If so, list me	dication:				
6. Do you have	any allergies?	If yes,	give details:					
7. Do you have	any special dietary	needs? If	yes, please spec	ify:				
8. Have you eve	er been treated for a	ny menta	l problems?	_ If yes, giv	re details:			
9. Is there a fam	nily history of a blee	ding disc	order, cancer, hyp	pertension, o	r diabetes?			
-	e a disability in which	-	_					
If a student is	s under 18 years of a							illness at the discretion
Date:		Signatur	re of applicant: _					
Date:		Sionatui	e of parent or gu	ıardian:				

Parent/Guardian Emergency Contact Data

Student's name (please print)			
TO STUDENT:			
Please have your parent(s)/guardian(s) of application is incomplete without the			it in your application package.
TO PARENT/GUARDIAN:			
Please read the following information is the bottom of the form. Note that this is			our approval on the signature lin
(Please print)			
Last name of Father or Male Guardian	First	MI	
Home address			
City	State	Zip Code	Telephone.
Occupation	Employer		t telephone
Last name of Mother or Female Guardian	First		MI
Home address			
City	State	Zip Code	Telephone
Occupation	Employer		Work telephone
	EMERGENCY CO	ONTACT DATA	
Name of student			
Emergency contact			

Background Survey

NASA/TSU College Bound Program

Name:			D	¶ale ☐ Female	
Check progra	m you are applying	for below:			
□ NASA Pro		☐ NASA Explorers ☐ L.E.R.C.I.P. College	□ NASA FIRST □ NASA Scholar	☐ NASA SHARP☐ L.E.R.C.I.P. Teacher	☐ NASA Plus ☐ TSU College Bound
	•	which members of each ethek(s) below. Submission of the		•	, NASA requests that the
a. b. c. d. e. f. g. 2. Ind a. b.	ividual with Disabili Yes No If yes, please specif	or Alaskan Native Native Hawiian** ecify:			

The information solicited on this form will not be available to those responsible for reviewing applications, but will be used to determine the extent to which various populations are represented in the applicant pool.

^{*}This includes, for example, China, India, Japan, and Korea.

^{**}This area includes any of the original peoples of Hawaii; the U.S. Pacific Territories of Guam, American Samoa, and the Northern Marianas; the U.S. Trust Territory of Palau; the Islands of Micronesia and Melanesia; and the Phillippines.

^{***}A person having a physical or mental impairment that substantially limits one or more major life activities, has a record of such impairment, or is regarded as having such impairment.

Certification Form

Additional	Information/	Questions:
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Additional Inf	formation a	and/or questions	can be made to	Marie B	orowski,	Educational	Program	Specialist,	Office of
Educational P	rograms (2	216–433–5582).							

Certification	
completed application will be cause for disqualification for	ee that any misrepresentation or inaccurate information on this or consideration and from participation in the NASA/TSU College cipate, I must participate for the full duration of the program.
Signature	Date

Last name	First name
	Last name

NASA/TSU College Bound Program Application Check List

Official use only
Complete
Incomplete
Initials/Date

1	Student Application Form
2	Accomplishment Sheet
3	One-page typed essay (300 words or less)
4	Academic Coursework
5	Preliminary College Information
6	Counselor Information
7	Math, Science or Technology Teacher recommendation (Part I and Part II)
8	Copy of most recent high school transcript
9	Parent/Guardian Permission Form
10	Liability Waiver Form
11	Student Health Form
12	Parent/Guardian Emergency Contact Data
13	Certificate of immunization
14	Proof of accident and health insurance (i.e., copy of card) PLEASE make sure the copy is legible so that all ID numbers can be read.
15	Two (2) color passport photos (2×2)
16	Background Survey
17	Certification Form
18	Original plus three copies of <u>entire</u> Application Package being submitted. Note: Application package will <u>not be</u> considered eligible unless the required copies are enclosed.

Note: When making copies it is <u>very</u> important that the pages are copied <u>exactly</u> as the original that was sent to you. For example, if one sheet is two-sided, make sure the correct sides are copied together. Also, please keep Application Package and copies in the same order as this checklist.

All application materials due by April 11, 2003. Mail to:

NASA Glenn Research Center Office of Educational Programs ATTN: TSU College Bound 21000 Brookpark Road, MS 7–4 Cleveland, OH 44135